Bibliography of Reports and Journal Articles Dealing with Fire Science by Scientists of the U.S. Geological Survey

Photography by John McColgan, Bureau Land Management
Graphic Design by John M. Evans, U.S. Geological Survey

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PRELIMINARY

Credit for Cover Photo

The incredible photograph displayed on this USGS Fire Bibliography cover was taken by John McColgan, a fuels management specialist with the Bureau of Land Management in Fort Wainwright, Alaska. This image, taken with a digital camera, was captured late in the afternoon of Sunday, August 6, 2000, from a bridge over the East Fork of the Bitterroot River just north of Sula, Montana. These elk sought refuge in the river bottom during what may have been the most extreme day of fire behavior on the Bitterroot on more than 70 years.

A Message to Readers and Contributors

This publication is a collection of reports and journal articles dealing with fire science by scientists of the U.S. Geological Survey, many of whom participated in the Second U.S. Geological Survey Wildland Fire Workshop, October 31-November 3, 2000, Los Alamos, New Mexico. It is preliminary. Please send additions and corrections to:

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1. Allen, C.D., 1989, Changes in the Landscape of the Jemez Mountains, New Mexico, Ph. D. dissertation, University of California, Berkeley, California.

2. Allen, C.D., 1994, Ecological perspective: Linking ecology, GIS, and remote sensing to ecosystem management, *in* Sample, A.V., editor, Remote Sensing and GIS in Ecosystem Management: Covelo, California, Island Press, p. 111-139.

3. Allen, C.D., 1996, Elk response to the La Mesa fire and current status in the Jemez Mountains, *in* Allen, C.D., technical editor, Fire Effects in Southwestern Forests: Proceedings of the Second La Mesa Fire Symposium, Los Alamos, New Mexico, U.S. Department of Agriculture Forest Service General Technical Report RM-GTR-286, p. 179-195.

4. Allen, C.D., 1996, Fire Effects in Southwestern Forests: Proceedings of the Second La Mesa Fire Symposium, Los Alamos, New Mexico, U.S. Department of Agriculture Forest Service General Technical Report RM-GTR-286.

5. Allen, C.D., 1996, Overview of La Mesa fire studies, *in* Allen, C.D., technical editor, Fire Effects in Southwestern Forests: Proceedings of the Second La Mesa Fire Symposium, Los Alamos, New Mexico, U.S. Department of Agriculture Forest Service General Technical Report RM-GTR-286, p. 1-6.

6. Allen, C.D., 1998, A ponderosa pine natural area reveals its secrets, *in* Mac, M.J., Opler, P.A., and Doran, P.D., editors, National Status and Trends Report: Washington, D. C., U.S. Geological Survey, p. 551-552.

7. Allen, C.D., 1998, Where have all the grasslands gone? Fire and vegetation change in northern New Mexico: The Quivira Coalition Newsletter, v. 1, no. 4, p. 6-9, 17.

8. Allen, C.D., Betancourt, J.L., and Swetnam, T.W., 1998, Landscape changes in the southwestern United States: Techniques, long-term data sets, and trends, *in* Sisk, T.D., editor, Perspectives on the Land Use History of North America: A Context for Understanding our Changing Environment: U. S. Geological Survey, Biological Science Report, USGS/BRD/BSR-1998-0003, p. 71-84.

9. Allen, C.D., and Breshears, D.D., in press, Hydrologic processes as ecological disturbances: Threshold interactions and global change, *in* Schlesinger, M., and Solomon, A., editors, Elements of Change--1999: Proceedings of the 1999 Workshop, Ecological and Agricultural Consequences of Climatic Extremes and Variability.

10. Allen, C.D., Touchan. R., and Swetnam, T.W., 1995, Landscape-scale fire history studies support fire management action at Bandelier: Park Science, v. 15, no. 3.

11. Allen, C.D., Touchan, R., and Swetnam, T.W., 1996, Overview of fire history in the Jemez Mountains, New Mexico, *in* Goff, F., Kues, B.S., Rogers, M.A., and others, editors, New Mexico Geological Society Guidebook, 47th Field Conference, Jemez

Mountains Region, New Mexico Geological Society, p. 35-36.

12. Allen, J.A., McCoy, J.W., and Keeland, B.D., 1998, Natural establishment of woody species on abandoned agricultural fields in the lower Mississippi Valley: First- and second-year results, *in* Waldrop, T.A., editor, Proceedings of the Ninth Biannual Southern Silvicultural Research Conference, Clemson, South Carolina, U.S. Department of Agriculture Forest Service General Technical Report SRS-20, p. 263-268.

13. Betancourt, J.L., 1993, From Fire to Flood; Pacific Climate and Southwestern Watershed Management, U. S. Geological Survey Circular, 72 pages.

14. Bogan, M.A., Allen, C.D., Muldavin, E.H., Platania, S.P., Stuart, J.N., Farley, G.H., Melhop, P., and Belnap, J., 1998, Southwest, *in* Mac, M.J., Opler, P.A., and Doran, P.D., editors, National Status and Trends Report: Washington, D. C., U.S. Geological Survey, p. 543-592.

15. Bradbury, J.P., 1996, Charcoal deposition and redeposition in Elk Lake, Minnesota, USA: The Holocene, v. 6, no. 3, p. 339-344.

16. Branson, F.A., 1975, Natural and Modified Plant Communities as Related to Runoff and Sediment Yields, *in* An Introduction to Land-Water Interactions; International Association for Ecology, Leningrad Symposium, p. 157-172.

17. Brooks, M.L., 1999, Alien annual grasses and fire in the Mojave Desert: Madroño, v. 46, p. 13-19.

18. Brooks, M.L., in press, *Bromus madritensis subsp. rubens* (L.) Husnot [B. rubens L.], Foxtail Chess (Red Brome), *in* Bossard, C., Hoshovsky, M., and Randall, J., editors, Noxious Wildland Weeds of California: University of California Press.

19. Brooks, M.L., in press, *Schismus spp*., *Schmismus arabicus* Nees and *Schismus barbatus* (L.) Thell., Mediterranean Grass (Split Grass), *in* Bossard, C., Hoshovsky, M., and Randall, J., editors, Noxious Wildland Weeds of California: University of California Press.

20. Brooks, M.L., and Berry, K.H., 1999, Ecology and management of alien annual plants in the California deserts: CalEPPC (California Exotic Pest Plant Council) News, v. 7, no. 3/4, p. 4-6.

21. Brooks, M.L., and Esque, T., in press, Alien grasses in the Mojave and Sonoran deserts, *in* Proceedings of the 1999 California Exotic Pest Plant Council Symposium.

22. Brooks, M.L., and Esque, T.C., 2000, Fire and exotic grasses changing Mojave's face: People, Land and Water, v. 7, no. 5, p. 25, plus published photograph.

23. Brunner-Jass, R., 1999, Fire occurrence and paleoecolgy at Alamo Bog and Chihuahueños Bog, Jemez Mountains, New Mexico, M.S. thesis, Northern Arizona University, Flagstaff, Arizona.

24. Buhl. K. J., and Hamilton, S.J., 1999, Acute toxicity of fire-control chemicals, nitrogenous chemicals, and surfactants to rainbow trout: Transactions of the American Fisheries Society, v. 129, p. 408-418.

25. Buhl, K.J., and Hamilton, S.J., 2000, Acute toxicity of fire-control chemicals, nitrogenous chemicals, and surfactants to rainbow trout: Transactions of the American Fisheries Society, v. 129, p. 408-418.

26. Buhl. K. J., and Hamilton, S.J., 1998, Acute toxicity of fire-retardant and foam-suppressant chemicals to early life stages of chinook salmon (*Oncorhynchus tshawytscha*): Environmental Toxicology and Chemistry, v. 17, p. 1589-1599.

27. Burkett, V., and Williams, H., 1998, Effects of flooding regime, mycorrhizal inoculation and seedling treatment type on first-year survival of Nuttall Oak (Quercus nuttallii PALMER), *in* Waldrop, T.A., editor, Proceedings of the Ninth Biannual Southern Silvivultural Research Conference, Clemson, South Carolina, U.S. Department of Agriculture Forest Service General Technical Report SRS-20, p. 263-268.

28. Bury, R.B., Corn, P.S., Aubry, K.B., Gilbert, F.F., and Jones, L.L.C., 1991, Aquatic amphibian communities in Oregon and Washington, Wildlife and Vegetation of Unmanaged Douglas-fir forests, U.S. Department of Agriculture, p. 351-362.

29. Busch, D.E., 1995, Effects of fire on southwestern riparian plant community structure: Southwestern Naturalist, v. 40, p. 259-267.

30. Busch, D.E., 1994, Fire in southwestern riparian habitats: Functional and community responses, Sustainable Ecological Systems, General Technical Report 7-12-93, p. 304-305.

31. Busch, D.E., and Smith, S.D., 1993, Effects of fire on water and salinity relations of riparian woody taxa: Oecologia, v. 94, p. 186-194.

32. Campbell, G.S., Jungbauer, J.D., Jr., Bidlake, W.R., and Hungerford, R.D., 1994, Predicting the effect of temperature on soil thermal conductivity: Soil Science, v. 158, p. 307-313.

33. Cannon, S.H., 1999, Debris-flow response of recently burned areas in southern California: Geological Society of America, Abstracts With Programs, v. 31, no. 7, p. 312.

34. Cannon, S.H., 2000, Debris-flow response of southern California watersheds recently burned by wildfire; Debris-Flow Hazards Mitigation - Mechanics, Prediction, and Assessment, Wieczorek, G.F., and Naeser, N.D., editors, Proceedings of the Second International Conference on Debris-Flow Hazards Mitigation, Taipei, Taiwan, p. 45-52.

35. Cannon, S.H., 1999, Debris-flow response of watersheds recently burned by wildfire, Ph. D. dissertation, University of Colorado, Boulder, Colorado.

36. Cannon, S.H., 2000, Debris-flow susceptibility of watersheds recently burned by

wildfire: American Association of Civil Engineers, Watershed Management 2000.

37. Cannon, S.H., 1997, Evaluation of the debris-flow potential for debris and hyperconcentrated flows in Capulin Canyon as a result of the 1996 Dome fire, Bandelier National Monument, New Mexico: Geological Society of America, Abstracts With Programs, v. 29, no. 6, p. 447.

38. Cannon, S.H., 1997, Evaluation of the potential for debris and hyperconcentrated flows in Capulin Canyon as a result of the 1996 Dome fire, Bandelier National Monument, New Mexico, U.S. Geological Survey Open-File Report, 97-136, 20 pages.

39. Cannon, S.H., Winter of 1997-98 debris-flow response of areas burned by 1997 wildfires in Southern California: Association of Engineering Geologists, Program With Abstracts, 41st Annual Meeting, September 30-October 3, 1998, Seattle, WA, p. 82.

40. Cannon, S.H., Bigio, E.R., Mine, E., and Godt, J.W., 2000, Fire-related debris-flow initiation processes, Cerro Grande Fire, Los Alamos, New Mexico: EOS, Transactions, American Geophysical Union.

41. Cannon, S.H., and Ellis, W.L., 1997, Preliminary evaluation of the landslide potential in Capulin Canyon following the Dome fire, Bandelier National Monument, New Mexico: U.S. Geological Survey Open-File Report, v. 97-141, p. 15 p.

42. Cannon, S.H., Ellis, W.L., and Godt, J.W., 1998, Evaluation of the landslide potential in Capulin Canyon following the Dome fire, Bandelier National Monument, New Mexico: U.S. Geological Survey Open-File Report 98-42, 21 p.

43. Cannon, S. H. and Gleason, J. A., 2000, Emergency assessment of flood and debris-flow hazards from the Bobcat fire, Colorado (Web Page), *Available at* www.dnr.state.co.us/geosurvey, under "Programs at CGS".

44. Cannon, S. H., Gleason, J. A., and Jarrett, R. D., 2000, Emergency assessment of flood and debris-flow hazards from the Hi Meadows fire, Colorado (Web Page), *Available at* www.dnr.state.co.us/geosurvey, under "Programs at CGS".

45. Cannon, S.H., Houdre, N., and Godt, J.W., 1998, Debris-flow response of areas burned by wildfires in Southern California to winter of 1997-98 rainstorms: EOS, Transactions, American Geophysical Union, v. 79, no. 45, p. 265.

46. Cannon, S.H., Kirkham, R.M., and Parise, M., 1998, Geology and geomorphology of the September 1, 1994 debris flows, Storm King Mountain, Glenwood Springs, Colorado, Colorado Geological Survey Field Trip Guidebook: Geologic Hazards and Engineering Practices in Western Colorado, Glenwood Springs, Colorado, October 29-30, 1998, p. 9-11.

47. Cannon, S.H., Kirkham, R.M., and Parise, M., in press, Wildfire-related debris-flow initiation processes, Storm King Mountain, Colorado: Geomorphology.

48. Cannon, S.H., Powers, P.S., and Kirkham, R.M., 1996, Evaluation of fire-related debris flows on Storm King Mountain, Glenwood Springs, Colorado: Geological Society of America, Abstracts With Programs, v. 28, no. 7, p. 408.

49. Cannon, S.H., Powers, P.S., Pihl, R.A., and Rogers, W.P., 1996, Evaluation of fire-related debris flows on Storm King Mountain, Glenwood Springs, Colorado: EOS, Transactions, American Geophysical Union, v. 76, no. 46, p. 248.

50. Cannon, S.H., Powers, P.S., and Savage, W.Z., 1996, Fire-related debris flows on Storm King Mountain, Glenwood Springs, Colorado, USA: European Geophysical Society, Annales Geophysicae, v. 14, no. Supplement 1, p. C274.

51. Cannon, S.H., Powers, P.S., and Savage, W.Z., 1998, Fire-related hyperconcentrated and debris flows on Storm King Mountain, Glenwood Springs, Colorado, USA: Environmental Geology, v. 35, no. 2-3, p. 210-218.

52. Cannon, S.H., and Reneau, S.L., 2000, Conditions for generation of fire-relatead debris flow, Capulin Canyon, New Mexico: Earth Surface Processes and Landforms, v. 25, p. 1-19.

53. Cannon, S.H., 1997, Evaluation of the debris flow potential in Capulin Canyon as a result of the 1996 Dome Fire, Bandelier National Monument, New Mexico: Abstracts With Programs - Geological Society of America, v. 29, no. 6, p. 447.

54. Cannon, S.H., Powers, P.S., Pihl, R.A., and Kirkham, R.M., 1996, Evaluation of the fire-related debris flows on Storm King Mountain, Glenwood Springs, Colorado: Abstracts With Programs - Geological Society of America, v. 28, no. 7, p. 408.

55. Carpenter, E.H., Taylo, J.G., Cortner, H.J., Gardner, P.D., Zwolinski, M.J., and Daniel, T.C., 1986, Targeting audiences and content for forest fire information programs: Journal of Environmental Education, v. 17, no. 3, p. 33-41.

56. Carrington, M.E., and Keeley, J.E., 1999, Comparison of postfire seedling establishment between scrub communities in mediterranean- and non-mediterranean-climate ecosystems: Journal of Ecology, v. 87, p. 1025-1036.

57. Chapin, F.S.I., McGuire, A.D., Randerson, J., Pielke, R.Sr., Baldocchi, D., Hobbie, S.E., Roulet, N., Eugster, W., Kasischke, E., Rastetter, E.B., Zimov, S.A., Oechel, W.C., and Running, S.W., in press, Feedbacks from arctic and boreal ecosystems to climate: Global Change Biology.

58. Chong, G.W., Reich, R.M., and et al., In press, New approaches for sampling and modeling native and exotic plant species richness: Western North American Naturalist.

59. Cole, K.L., 2001, A multiple-scale history of past and ongoing vegetation change within the Indiana Dunes, Handbook for Discovering Historic Ecosystems, Island Press, CA.

60. Cole, K.L., Klick, K.F., and Pavlovic, N.B., 1992, Fire temperature monitoring during

experimental burns at the Indiana Dunes: Natural Areas Journal, v. 12, p. 177-183.

61. Cole, K.L., and Liu, G., 1994, Holocene paleoecology of an estuary on Santa Rosa Island, California: Quaternary Research, v. 41, p. 326-335.

62. Cole, K.L., and Taylor, R.S., 1995, Past and current trends of change in a dune prairie/oak savanna reconstructed through a multiple scale history: Journal of Vegetation Science, v. 6, p. 399-410.

63. Cole, K.L., and Wahl, E., 2000, A late Holocene paleoecological record from Torrey Pines State Reserve, California: Quaternary Research, v. 52, p. 341-351.

64. 1998, Coloff, S.G., Findley, J., and Helz, R.L., USGS Wildland Fire Workshop, EROS Data Center, Sioux Falls, South Dakota.

65. Corn, P.S., and Bury, R.B., 1989, Logging in western Oregon: Responses of headwater habitats and stream amphibians: Forest Ecology and Wildlife, v. 29, p. 39-57.

66. Cortner, H.J., Gardner, P.D., and Taylor, J.G., 1990, Fire hazard at the urban-wildland interface: What the public expects: Environmental Management, v. 14, no. 1, p. 57-62.

67. Cortner, H.J., Gardner, P.D., Taylor, J.G., Carpenter, E.H., Zwolinski, M.J., Daniel, T.C., and Stenberg, M.J., 1984, Uses of public opinion surveys in resource planning: The Environmental Professional, v. 6, p. 265-275.

68. Cortner, H.J., Taylor, J.G., Carpenter, E.H., and Cleaves, D.A., 1990, Factors influencing forest service fire managers' risk behavior: Forest Science, v. 36, no. 3, p. 531-548.

69. Cortner, H.J., Taylor, J.G., Carpenter, E.H., and Cleaves, D.A., 1989, Fire managers' risk perceptions: Fire Management Notes, v. 50, no. 4, p. 16-18.

70. Davis, M.B., Douglas, C., Calcote, R., Cole, K., Winkler, M., and Flakne, R., 2000, Holocene climate in western Great Lakes National Parks and Lakeshores: Implications for future climate change: Conservation Biology, v. 14, p. 968-983.

71. Dees, C.S., Clark, J.D., and van Manen, F.T., 2001, Florida panther habitat use in response to prescribed fire: Journal of Wildlife Management, v. 65, p. 141-147.

72. Despain, D., Greenlee, J.J., Parminter, T., and others, 1994, A bibliography and directory of the Yellowstone fires of 1988: Fairfield, WA, International Association of Wildland Fire.

73. Despain, D.G., 1985, Ecological implications of ignition sources in park and wilderness fire management programs, Lotan, J.E., editor, Proceedings - Symposium and Workshop on Wilderness Fire, Missoula, Montana, General Technical Report, p. 93-94.

74. Despain, D.G., 1979, The role of natural fire in Yellowstone National Park: Naturalist, v. 30, p. 25-26.

75. Despain, D.G., 1982, Some effects of natural fires in Yellowstone National Park, Lotan, J.E., editor, Fire - Its Field Effects: Proceedings of the Intermountain/Rocky Mountain Fire Council Meeting, Jackson, Wyoming.

76. Despain, D.G., 1990, Yellowstone Vegetation: Consequences of Environment and History in a Natural Setting, Boulder, CO, Roberts Rinehard, Inc..

77. Despain, D.G., Beier, P., Tate, C., Durtche, B.M., and Stephens, T., in press, Modeling biotic habitat high risk areas: Journal of Sustainable Forestry, v. 11.

78. Despain, D.G., Clark, D., and Reardon, J., 1996, Simulation of crown fire effects on canopy seed bank in lodgepole pine: International Journal of Wildland Fire, v. 6, p. 45-49.

79. Despain, D. G. and others, 1990, Cover types of Yellowstone National Park [Electronic (Arc-Info grid file)]. Yellowstone National Park, WY (Web Page), *Available at* http://www.nps.gov/yell/technical/gis/download.htm.

80. Despain, D.G., and Romme, W.H., 1991, Ecology and management of high-intensity fires in Yellowstone National Park, Proceedings, 17th Tall Timbers Fire Ecology Conference. High Intensity Fire in Wilderness: Management Challenges and Options, Tallahassee, FL, p. 43-58.

81. Despain, D.G., and Sellers, R.E., 1977, Natural fire in Yellowstone National Park: Western Wildlands, p. 20-24.

82. Dettinger, M.D., Cayan, D.R., and Brown, T.J., 2000, Intraseasonal lightning variations in the western United States, Proceedings, NOAA Climate Diagnostics and Prediction Workshop, Tucson, AZ.

83. Dewitt, J.L., in press, Analysis of the Utility of Wildfire Home Protection Strategies in Central Florida; Final Report submitted to the Interagency Fire Science Team, February 26, 1999.

84. Doyle, T.W., 1993, Evidence of fire impact on scrub-scrub formation and decline in a floatant marsh ecosystem, Fire in Wetlands: A Management Perspective, Tall Timbers Fire Ecology Conference, Tallahassee, Florida.

85. Doyle, T.W., 1993, The use of tree ring data to reconstruct fire history: An application for St. Marks National Wildlife Refuge, Fire in Wetlands: A Management Perspective, Tall Timbers Fire Ecology Conference, Tallahassee, FL.

86. Doyle, T.W., Biagas, J.M., Fort, J., and and others, 1994, Burn database: A prescribed fire and wildfire tracking program: National Biological Service, Research Information Bulletin, v. 94-78.

87. Doyle, T.W., Platt, W.J., and Gorham, L.E., 1993, Effects of seasonal burning on forest productivity in longleaf pine flatwoods, Fire in Wetlands: A Management Perspective,

Tall Timbers Fire Ecology Conference, Tallahassee, FL.

88. Duck, T.A., Esque, T.C., and Hughes, T.J., 1997, Fighting wildfires in desert tortoise habitat: Considerations for land managers, Proceedings for Symposium on: Fire Effects on Rare and Endangered Species Habitats Conference, Coeur D'Alene, ID.

89. Eidenshink, J.C., and Loveland, T.R., 1996, Hazards; Wildland Fire Danger Management, United States Geological Survey Yearbook: 13 pages.

90. Esque, T.C., Búrquez, A., Schwalbe, C.R., Van Devender, T.R., Nijhuis, M.J.M., and Anning, P., In Review, Fire ecology of the Sonoran desert tortoise, The Sonoran Desert Tortoise: Natural History, Biology and Conservation: Tuscon, AZ, Arizona-Sonora Desert Museum, University of Arizona.

91. Esque, T.C., and Schwalbe, C.R., In review, Alien annual grasses and their relationships to fire and biotic change in Sonoran Desert scrub, Invasive Organisms in the Sonoran Desert: Tucson, AZ, Arizona-Sonora Desert Museum, The University of Arizona Press.

92. Esque, T.C., and Schwalbe, C.R., 2000, Non-native grasses and fires create double jeopardy: People, Land and Water, v. 7, no. 5, p. 26, plus published photograph.

93. Ewe, S.M.L., Sternberg, L.S.L., and Busch, D.E., 1999, Water-use patterns of woody species in pineland and hammock communities of south Florida: Forest Ecology and Management, v. 118, p. 139-148.

94. Farris, G., 2000, Cogongrass, Chinese tallow tree invade coastal prairie habitats: People, Land, and Water, v. 7, no. 5, p. 29.

95. Fellows, D.P., and Newton, W.E., 1999, Prescribed fire effects on biological control of leafy spurge: Journal of Range Management, v. 52, p. 489-493.

96. Finger, S.E., 1996, Environmental implications of fire-fighting chemicals: A summary of current research by the National Biological Survey, Ramsey, G.S., editor, Proceedings of the International Wildland Fire Foam Symposium and Workshop, Thunder Bay, Ontario, Information Report PI-X-123, p. 119-122.

97. Ford, M.F., and Grace, J.B., 1998, The interactive effects of vertebrate herbivory and fire on a coastal marsh in Louisiana, the Pearl River: Wetlands, v. 18, no. 1, p. 1-8.

98. Foulton, B.C., and Finger, S.E., 1996, Effects of fire suppressant foams on a prairie wetland ecosystem - A study of a North Dakota prairie wetland community, Ramsey, G.S., editor, Proceedings of the International Wildland Fire Foam Symposium and Workshop, Thunder Bay, Ontario, Information Report PI-X-123, p. 145-151.

99. Fritzell, E.K., 1975, Effects of agricultural burning on nesting waterfowl: Canadian Field Naturalist, v. 89, no. 1, p. 21-27.

100. Fullmer, D.G., Rogers, R.R., Manley, J.D., and Stephenson, N.L., 1996, Restoration as a

component of ecosystem management for giant sequoia groves in California, The Role of Restoration in Ecosystem Management: Madison, WI, Society for Ecological Restoration, p. 109-115.

101. Gaikowski, M.P., 1994, The acute toxicity of three fire-retardant and two fire-suppressant foam formulations to the early life stages of rainbow trout (*Oncorhynchus mykiss*) aand fathead minnow (*Pimephales promelas*), M. S. thesis, University of South Dakota, Vermillion, South Dakota.

102. Gaikowski, M.P., Hamilton, S.J., Buhl, K.J., McDonald, S.F., and Summers, C.H., 1996, Acute toxicity of firefighting chemical formulations to four life stages of fathead minnow: Exotoxicity and Environmental Safety, v. 34, p. 252-263.

103. Gaikowski, M.P., Hamilton, S.J., Buhl, K.J., McDonald, S.F., and Summers, C.H., 1996, The acute toxicity of three fire-retardant and two fire-suppressant foam formulations to the early life stages of rainbow trout (*Oncorhynchus mykiss*): Environmental Toxicology and Chemistry, v. 15, p. 1365-1374.

104. Grabner, K., Dwyer, J., and Cutter, B., 1999, Using behave as a prescribed fire planning tool in maintaining oak savannahs, Missouri Department of Conservation, 4 p.

105. Grabner, K., Dwyer, J., and Cutter, B., 1997, Validation of behave fire behavior predictions in oak savannas, Pallardy, S.G., editor, 11th Central Hardwood Forest Conference: Proceedings of a U.S. Forest Service, North Central Forest Experiment Station, St. Paul, MN, U.S. Forest Service General Technical Report NC-188, p. 202-215.

106. Grabner, K., Hartman, G., Dwyer, J., and Cutter, B., 2000, Characterizing fuel loading and structure using Ecological Landtypes (ELTs) in the Missouri Ozarks, Proceedings from the Joint Fire Science Conference and Workshop, Boise, ID, p. 278-282.

107. Grace, J.B., 1998, Can prescribed fire save the endangered coastal prairie ecosystem from Chinese tallow invasion?: Endangered Species Update, v. 15, no. 5, p. 70-76.

108. Grace, J.B., 1999, Can prescribed fire save the endangered coastal prairie ecosystem from Chinese tallow invasion?: Wildland Weeds, v. Spring, p. 9-14.

109. Grace, S.L., and Platt, W.J., 1995, Effects of adult tree density and fire on the demography of pregrass stage juvenile longleaf pine (*Pinus palustris Mill.*): Journal of Ecology, v. 83, p. 75-86.

110. Grundel, R., Pavlovic, N.B., and Sulzman, C.L., 1998, The effect of canopy cover and seasonal change on host plant quality for the endangered Karner Blue butterfly (*Lycaeides melissa samuelis*): Oecologia, v. 114, p. 243-250.

111. Grundel, R., Pavlovic, N.B., and Sulzman, C.L., In revision, Effects of habitat structure, nest height, and proximity to edge on predation of artificial nests in oak woodlands: Wilson Bulletin.

112. Grundel, R., Pavlovic, N.B., and Sulzman, C.L., 1998, Habitat use by the endangered Karner Blue butterfly in oak woodlands: The influence of canopy cover: Biological Conservation, v. 85, p. 47-53.

113. Grundel, R., Pavlovic, N.B., and Sulzman, C.L., 2000, Nectar plant selection by the Karner Blue butterfly (*Lycaeides melissa samuelis*) at Indiana Dunes National Lakeshore: American Midland Naturalist, v. 144, p. 1-10.

114. Gunderson, L.H., and Snyder, J.R., 1994, Fire Patterns in the Southern Everglades, *in* Davis, S.M., and Ogden, J.C., editors, Everglades: The Ecosystem and its Restoration: Delray Beach, Florida, St. Lucie Press, p. 291-305.

115. Guyette, R.P., and Cutter, B.E., 1997, Fire history, population, and calcium cycling in the Current River watershed, Pallary, S.G., Cecich, R.A., Garrett, H.G., and others, editors, Proceedings of the 11th Central Hardwood Forest Conference, U.S. Forest Service General Technical Report NC-188, p. 354-372.

116. Haidinger, T.L., and Keeley, J.E., 1993, Role of high fire frequency in destruction of mixed chaparral: Madroño, v. 40, p. 141-147.

117. Hamilton, S., Larson, D., Finger, S., Poulton, B., Vyas, N., and Hill, E., Ecological effects of fire retardant chemicals and fire suppressant foams (Web Page), *Available at* Northern Prairie Wildlife Research Center, http://www.npwrc.usgs.gov/resource/othrdata/fireweb/fireweb.htm.

118. Hamilton, S.J., McDonald, S.F., Gaikowski, M.P., and Buhl, K.J., 1996, Toxicity of fire retardant chemicals to aquatic organisms; Progress Report, *in* Ramsey, G.S., compiler, Proceedings of the Unternational Wildland Fire Foam Symposium and Workshop, Thunder Bay, Ontario, Canada, Petawawa National Forestry Institute, Information Report PI-X-123, p. 132-144.

119. Hanks, T.C., 1999, Probabilistic Natural Hazard Analysis, U. S. Geological Survey Open File Report, 8 pages.

120. Harden, J.W., Trumbore, S.E., and O'Neill, K.P., 1994, Dynamics of peat accumulation in response to fire near Thompson, Manitoba: American Quaternary Association, Program and Abstracts, v. 13, p. 92.

121. Harden, J.W., 1996, Significance of Soils in Carbon Cycle Research: Abstracts With Programs - Geological Society of America, v. 28, no. 7, p. 180.

122. Henderson, R.A., and Statz, S.H., 1995, Bibliography of fire effects and related literature applicable to the ecosystems and species of Wisconsin, Wisconsin Department of Natural Resources, Madison, Wisconsin, Northern Prairie Wildlife Research Center.

123. Herring, J.R., 1989, Fire as cause, effect, and feedback on the crustal cycles of carbon, phosphorus, and nitrogen: Abstracts of Papers - American Chemical Society, National Meeting, v. 198, p. GEOC 7.

124. Higgins, K.F., 1986, A comparison of burn season effects on nesting birds in North Dakota mixed-grass prairie: Prairie Naturalist, v. 18, no. 4, p. 219-228.

125. Higgins, K.F., 1986, Interpretation and compendium of historical fire accounts in the Northern Great Plains: U.S. Fish and Wildlife Service Resource 161, 39 pages.

126. Higgins, K.F., 1984, Lightning fires in North Dakota grasslands and in pine-savanna lands of South Dakota and Montana: Journal of Range Management, v. 37, no. 2, p. 100-103.

127. Higgins, K.F., Fellows, D.P., Callow, J.M., and Kruse, A., 1989, Annotated bibliography of fire literature relative to northern grasslands in south-central Canada and north-central United States, Brookings, South Dakota, U.S. Fish and Wildlife Service and Cooperative Extension Service, South Dakota State University, 20 pages.

128. Higgins, K.F., Kruse, A., and Piehl, J.L., 1989, Effects of fire in the Northern Great Plains, Brookings, South Dakota, U.S. Fish and Wildlife Service and Cooperative Extension Service, South Dakota State University, 47 pages.

129. Higgins, K.F., Kruse, A., and Piehl, J.L., 1989, Prescribed burning guidelines in the Northern Great Plains, Brookings, South Dakota, U.S. Fish and Wildlife Service and Cooperative Extension Service, South Dakota State University, 36 pages.

130. Hoffman, R.J., and Ferreira, R.F., 1976, A Reconnaissance of the Effects of a Forest Fire on Water Quality in Kings Canyon National Park, California, U.S. Geological Survey Open-File Report, 76-497, 17 pages.

131. Jenkins, M.A., and Jenkins, S.E., 1999, Savanna and glade vegetation of Turkey Mountain, Arkansas: Effects of a single prescribed burn, *in* Warwick, C., editor, Proceedings of the 15th North American Prairie Conference, p. 127-134.

132. Jenkins, S.E., Guyette, R., and Rebertus, A.J., 1997, Vegetation-site relationships and fire history of a savanna-glade-woodland, *in* Pallardy, S.G., editor, Proceedings of the 11th Central Hardwood Forest Conference, U.S. Forest Service General Technical Report NC-188, p. 184-201.

133. Johnson, D.H., 1997, Effects of fire on bird populations in mixed-grass prairie, *in* Knopf, F.L., and Samson, F.B., editors, Ecology and Conservation of Great Plains Vertebrates: New York, Springer, p. 181-206.

134. Johnson, D.H., 1976, Effects of grassland burning on breeding birds--preliminary report: North Dakota Academy of Science, v. 30, no. 1, p. 24.

135. Kalendovsky, M.A., and Cannon, S.H., 1997, Fire-related water-repellent soils - an annotated bibliography: U.S. Geological Survey Open-File Report, v. 97-720, p. 41 p.

136. Kantrud, H.A., 1986, Effects of vegetation manipulation on breeding waterfowl in prairie wetlands--A literature review, U.S. Fish and Wildlife Service Technical Report, 3, 15

pages.

137. Kantrud, H.A., 1990, Effects of vegetation manipulation on breeding waterfowl in prairie wetlands--a literature review, *in* Can Livestock Be Used to Enhance Wildlife Habitat?: U.S. Department of Agriculture, Forest Service General Technical Report, RM-194, p. 93-123.

138. Kantrud, H.A., and Kologiski, R.L., 1982, Ordination and classification of North Dakota grasslands: Proceedings of the North Dakota Academy of Science, v. 36, p. 35.

139. Kantrud, H.A., Krapu, G.L., and Swanson, G., 1989, Prairie Basin Wetlands of the Dakotas: A Community Profile, U.S. Fish and Wildlife Service Biological Report, 85 (7.28), 111 pages.

140. Kantrud, H.A., Millar, J.B., and van der Valk, A.G., 1989, Vegetation of wetlands of the prairie pothole region, *in* van der Valk, A., editor, Northern Prairie Wetlands: Ames, Iowa, Iowa State University Press, p. 132-187.

141. Keeley, J.E., 1984, Bibliographies on Chaparral and the Fire Ecology of Other Mediterranean Systems, University of California, Davis, California Water Resources Center, Report No. 58, p. 190.

142. Keeley, J.E., 1988, Bibliographies on Chaparral and the Fire Ecology of Other Mediterranean Systems. Second Edition, University of California, Davis, California Water Resources Center, Report No. 69, p. 328.

143. Keeley, J.E., 1995, Bibliography on Fire Ecology and General Biology of Mediterranean-type Ecosystems in Australia, Chile, the Mediterranean Basin and South Africa, Fairfield, Washington, International Association of Wildland Fire, 232 pages + disks in Endnote©, plus bibliographic format.

144. Keeley, J.E., 1995, Bibliography on Fire Ecology and general biology of Mediterranean-type Ecosystems in California, Fairfield, WA, International Association of Wildland Fire, 426 pages + disks in Endnote©, plus bibliographic format.

145. Keeley, J.E., 1989, The biogeography of fire in the San Bernardino Mountains of California - a historical study, by R. A. Minnich: Madroño, v. 36, p. 287-288.

146. Keeley, J.E., 1991, A continent on fire, a book review of "Burning Bush: A Fire History of Australia" by S. J. Pyne: Natural History, p. 82-85.

147. Keeley, J.E., 1982, Distribution of lightning and man-caused wildfires in California, Conrad, C.E., and Oechel, W.C., editors, Proceedings of the International Symposium on the Dynamics and Management of Mediterranean Type Ecosystems, General Technical Report PSW-58, p. 431-437.

148. Keeley, J.E., 1984, Factors affecting germination of chaparral seeds: Bulletin of the Southern California Academy of Sciences, v. 83, p. 113-120.

149. Keeley, J.E., 1977, Fire dependent reproductive strategies in *Arctostaphylos* and *Ceanothus*, Mooney, H.A., and Conrad, G.E., editors, Symposium on the Environmental Consequences of Fire and Fuel Management in Mediterranean Ecosystems, General Technical Report WO-3, p. 391-396.

150. Keeley, J.E., 1991, Fire management for maximum biodiversity of California chaparral, Nodvin, S.C., and Waldrop, T.A., editors, Proceedings Symposium on Fire and the Environment: Ecological and Cultural Perspectives.

151. Keeley, J.E., in submission, Fire management of California shrubland landscapes: Environmental Management.

152. Keeley, J.E., 1995, Future of California floristics and systematics: Wildfire threats to the California flora: Madroño, v. 42, p. 175-179.

153. Keeley, J.E., in press, Impact of past, present, and future fire regimes on North American Mediterranean shrublands, Fire Regimes and Climatic Change in Temperate and Boreal Ecosystems of the Western Americans: New York, Springer Verlag.

154. Keeley, J.E., 1998, Postfire ecosystem recovery and management: the October 1993 large fire episode in California, Large Forest Fires: Leiden, The Netherlands, Backhuys Publishers, p. 69-90.

155. Keeley, J.E., 1995, Postfire management: workshop summary: Fremontia, v. 23, no. 3, p. 24-25.

156. Keeley, J.E., 1996, Postfire vegetation recovery in the Santa Monica Mountains under two alternative management programs: Bulletin of the Southern California Academy of Sciences, v. 95, p. 103-119.

157. Keeley, J.E., 1990, Prescribed burning in California wildland vegetation management, by H. Biswell: Fremontia, v. 18, no. 3, p. 110-111.

158. Keeley, J.E., 1992, Recruitment of seedlings and vegetative sprouts in unburned chaparral: Ecology, v. 73, p. 1194-1208.

159. Keeley, J.E., 1981, Reproductive cycles and fire regimes, Mooney, H.A., Boonicksen, T., Christensen, N.L., and others, editors, Proceedings of the Symposium on Fire Regimes and Ecosystems Properties, General Technical Report WO-26.

160. Keeley, J.E., 1986, Resilience of Mediterranean shrub communities to fire, Resilience in Mediterranean-type Ecosystems: Dordrecht, The Netherlands, Dr. W. Junk, p. 95-112.

161. Keeley, J.E., 1991, Resilience to fire does not imply adaptation to fire: An example from the California chaparral, Proceedings of the Conference High-Intensity Fire in Wildlands: Management Challenges and Options, p. 113-119.

162. Keeley, J.E., 1987, Role of fire in the seed germination of woody taxa in California

chaparral: Ecology, v. 68, p. 434-443.

163. Keeley, J.E., 1995, Seed germination patterns in fire prone Mediterranean climate regions, Ecology and Biogeography of Mediterranean Ecosystems in Chile, California and Australia: Springer-Verlag, pp. 239-273.

164. Keeley, J.E., 1997, Seed longevity of non-fire recruiting chaparral shrubs: Four Seasons, v. 10, no. 3, p. 36 42.

165. Keeley, J.E., 1993, Smoke-induced flowering in the fire-lily *Cyrtanthus ventricosus*: South African Journal of Botany, v. 59, p. 638.

166. Keeley, J.E., 1994, To seed or not to seed: Wildfire, v. 3, p. 18.

167. Keeley, J.E., in press, We still need smokey the bear!: Fire Management Today.

168. Keeley, J.E., and Bond, W.J., 1997, Convergent seed germination in South African fynbos and Californian chaparral: Plant Ecology (Formerly Vegetatio), v. 133, p. 153-167.

169. Keeley, J.E., and Bond, W.J., 1999, Mast flowering and smelparity in bamboos: The bamboo fire cycle hypothesis: American Naturalist, v. 154, p. 383-391.

170. Keeley, J.E., Brooks, A., Bird, T., Cory, S., Parker, H., and Usinger, E., 1986, DeVries, J.J., editor, Proceedings of the Chaparrral Ecosystems Reserach Conference, California Water Resources Center Report No. 62.

171. Keeley, J.E., Carrington, M., and Trnka, S., 1995, Overview of management issues raised by the 1993 wildfires in southern California, Brushfires in California: Ecology and Resource Management: Fairfield, WA, International Association of Wildland Fire, p. 83-89.

172. Keeley, J.E., and Fortheringham, C.J., 1998, Mechanism of smoke-induced germination in a postfire annual: Journal of Ecology, v. 86, p. 27-36.

173. Keeley, J.E., and Fotheringham, C.J., in press, The historical role of fire in California shrublands: Conservation Biology.

174. Keeley, J.E., and Fotheringham, C.J., in press, Role of fire in regeneration from seed, Seeds: The Ecology of Regeneration in Plant Communities, 2nd Edition, CAB International.

175. Keeley, J.E., and Fotheringham, C.J., 1998, Smoke-induced seed germination in Californian chaparral: Ecology, v. 79, p. 2320-2336.

176. Keeley, J.E., and Fotheringham, C.J., 1997, Trace gas emissions in smoke-induced germination: Science, v. 276, p. 1248-1250.

177. Keeley, J.E., Fotheringham, C.J., and Morais, M., 1999, Reexamining fire suppression impacts on brushland fire regimes: Science, v. 284, p. 1829-1832.

178. Keeley, J.E., and Keeley, M.B., in press, Restoration with smoke-dependent species: Ecological Restoration.

179. Keeley, J.E., and Keeley, M.B., 1999, Role of charred wood, heat-shock and light in germination of postfire phrygana species from the eastern Mediterranean Basin: Israel Journal of Plant, v. 47, p. 11-16.

180. Keeley, J.E., Keeley, M.B., and Bond, W.J., 1999, Stem demography and postfire recruitment of a resprouting serotinous conifer: Journal of Vegetation Science, v. 10, p. 69-76.

181. Keeley, J.E., and Keeley, S.C., 1989, Allelopathy and the fire induced herb cycle, California Chaparral: Paradigms Re-examined, Natural History Museum of Los Angeles County, p. 65-72.

182. Keeley, J.E., and Keeley, S.C., 1984, Post-fire recovery of California coastal sage scrub: American Midland Naturalist, v. 111, p. 105-117.

183. Keeley, J.E., and Keeley, S.C., 1987, The role of fire in the germination of chaparral herbs and suffrutescents: Madroño, v. 34, p. 240-249.

184. Keeley, J.E., Morton, B.A., Pedrosa, A., and Trotter, P., 1985, Role of allelopathy, heat and charred wood in the germination of chaparral herbs and suffrutescents: Journal of Ecology, v. 73, p. 445-458.

185. Keeley, J.E., Ne'eman, G., and Fotheringham, C.J., 1999, Immaturity risk in a fire-dependent pine: Journal of Mediterranean Ecology, v. 1, p. 41-48.

186. Keeley, J.E., and Nitzberg, M.E., 1984, The role of charred wood in the germination of the chaparral herbs *Emmenanthe penduliflora* (Hydrophyllaceae) and *Eriophyllum confertiflorum* (Asteraceae): Madroño, v. 31, p. 208-218.

187. 1995, Keeley, J.E., and Scott, T., editors, Brushfires in Calilfornia: Ecology and Resource Management: Fairfield, WA, International Association of Wildland Fire, 220 pages.

188. Keeley, J.E., and Soderstrom, T.J., 1986, Post fire recovery of chaparral along an elevational gradient in southern callifornia: Southwestern Naturalist, v. 31, p. 177-184.

189. Keeley, J.E., and Stephenson, N.L., in press, Restoring natural fire regimes in the Sierra Nevada in an era of global change, Cole, D.N., and McCool, S.F., editors, Proceedings: Wilderness Science in a Time of Change, Proc. RMPS-P-000 .

190. Keeley, J.E., and Zedler, P.H., 1998, Evolution of life histories in *Pinus*, Ecology and Biogeography of Pines, Cambridge University Press, p. 219-251.

191. Keeley, J.E., and Zedler, P.H., 1978, Reproduction of chaparral shrubs after fire: a comparison of sprouting and seeding strategies: American Midland Naturalist, v. 99, p. 142-161.

192. Keeley, J.E., Zedler, P.H., Zammit, C.A., and Stohlgren, T.J., 1989, Workshop Summary. Fire and demography, California chaparral: Paradigms Re-examined, Natural History Museum of Los Angeles County, p. 151-153.

193. Keeley, S.C., and Keeley, J.E., The role of allelopathy, heat and charred wood on the germination of chaparral herbs, Conrad, C.E., and Oechel, W.C., editors, Proceedings of the International Symposium on the Dynamics and Management of Mediterranean Type Ecosystems, General Technical Report PSW-58, p. 128-134.

194. Keeley, S.C., Keeley, J.E., Hutchinson, S.M., and Johnson, A.W., 1981, Post-fire succession of the herbaceous flora in southern California chaparral: Ecology, v. 62, p. 1608-1621.

195. Keifer, M., Stephenson, N.L., and Manley, J., in press, Prescribed fire as a minimum tool for wilderness forest and fire regime restoration: a case study from the Sierra Nevada, CA, Cole, D.N., and McCool, S.F., editors, Proceedings: Wilderness Science in a Time of Change, RMRS-P-xxx .

196. Kemp, P., and Brooks, M.L., 1998, Exotic species of California deserts: Fremontia, v. 26, p. 30-34.

197. King, S., and Grace, J.B., 2000, The effects of gap size and disturbance type on invasion of wet pine savanna by cogongrass, *Imperata cylindrica* (Poaceae): American Journal of Botany, v. 87, p. 1276-1286.

198. Kirby, R.E., Lewis, S.J., and Sexson, T.N., 1988, Fire in North American wetland ecosystems and fire-wildlife relations: An annotated bibliography: U.S. Fish and Wildlife Services, Biological Report, v. 88, no. 1, p. 1-146.

199. Kirkham, R.M., Parise, M., and Cannon, S.H., 1999, Geology of the South Canyon fire area, and a geomorphic analysis of the September 1, 1994 debris flows, south flank of Storm King Mountain, Glenwood Springs, Colorado, Colorado Geological Survey Special Publication 46, 35 p.

200. Kirsch, L.M., 1974, Habitat management considerations for prairie chickens: Wildlife Society Bulletin, v. 2, no. 3, p. 124-129.

201. Kirsch, L.M., 1976, Upland sandpiper nesting and management in North Dakota: Wildlife Society Bulletin, v. 4, no. 1, p. 16-20.

202. Kkovacic, D.A., Craig, A., Patterson, R., romme, W.H., and Despain, D.G., 1991, Fire dynamics in the Yellowstone landscape from 1690-1990: An animation, Buhyoff, G.J., editor, Proceedings-Resource Technology 90: Second International Symposium on Advanced Technology in Natural Resource Management, Washington, D.C., p. 1-9.

203. Knutson, R.L., Kwilosz, J.R., and Grundel, R., 1999, Movement patterns and population characteristics of the Karner Blue butterfly (*Lycaeides melissa samuelis)* at Indiana Dunes National Lakeshore: Natural Areas Journal, v. 19, p. 109-120.

204. Kolipinski, M.C., and Higer, A.L., 1969, Some Aspects of the Effects of the Quantity and Quality of Water on Biological Communities in Everglades National Park, U.S. Geological Survey Open-File Report, 97 pages.

205. Kotliar, N.B., Hejl, S., Hutto, D., Saab, V., Melcher, C.P., and McFadzen, M.E., in press, Effects of wildfire and post-fire salvage logging on avian communities in conifer-dominated forests of the western United States: Studies in Avian Biology, v. 19.

206. Kotliar, N. B., and Melcher, C. P., 1998, Habitat selection and nesting success of olive-sided flycatchers under natural and managed disturbance regimes; Research report prepared for the U.S. Fish and Wildlife Service, Region 6, Denver, Colorado.

207. Kotliar, N. B., and Melcher, C. P., 1997, Habitat selection and nesting success of olive-sided flycatchers under natural and managed disturbance regimes; Research report prepared for the U.S. Fish and Wildlife Service, Region 6, Denver, Colorado.

208. Kotliar, N. B., and Melcher, C. P., 1999, Olive-sided flycatchers in stand-replacement and prescribed-understory burns; Research report prepared for the U.S. Fish and Wildlife Service, Region 6, Denver, Colorado.

209. Kruse, A.D., and Bowen, B.S., 1996, Effects of grazing and burning on densities and habitats of breeding ducks in North Dakota: Journal of Wildlife Management, v. 60, no. 2, p. 233-246.

210. Kruse, A.D., and Higgins, K.F., 1990, Effects of prescribed fire upon wildlife habitat in northern mixed-grass prairie, *in* Alexander, M.E., and Bisgrove, G.F., coordinators, The Art and Science of Fire Management, Proceedings of the 1st Int. West Fire Council Annual Meeting and Workshop, p. 182-193.

211. Kruse, A.D., Higgins, K.F., and Piehl, J.L., 1983, Environmental factors that influence prescribed burning in the Northern Plains, *in* Management of Public Lands in the Great Northern Plains: North Dakota Game and Fish Department and the U.S. Fish and Wildlife Service, p. 31-32.

212. Kruse, A.D., and Piehl, J.L., 1986, The impact of prescribed burning on ground-nesting birds: Proceedings of the North American Prairie Conference, v. 9, p. 153-156.

213. Larson, D.L., and Newton, W.E., 1996, Effects of fire suppressant foam on vegetation in North Dakota paririe, Ramsey, G.S., editor, Proceedings of the International Wildland Fire Foam Symposium and Workshop, Thunder Bay, Ontario, Information Report PI-X-123 p. 123-127.

214. Larson, Diane and Freitag, Kristin, 1996, Control of invasive exotic plants in the Great Plains: An annotated bibliography (Web Page), *Available at*

http://www.npwrc.usgs.gov/resource/literatr/exotic/exotic.htm.

215. Larson, D., and Newton, W.E., 1996, Effects of fire retardant chemicals and fire suppressant foam on North Dakota prairie vegetation: Proceedings of the North Dakota Academy of Science, v. 50, p. 137-144.

216. Leitner, L.A., Dunn, C.P., Guntenspergen, G.R., and others, 1991, Effects of site, landscape features, and fire regime on vegetation patterns in presettlement southern Wisconsin: Landscape Ecology, v. 5, no. 4, p. 203-217.

217. Little, R.L., Peterson, D.L., and Conquest, L.L., 1994, Regeneration of subalpine fir (Abies lasiocarpa) following fire: effects of climate and other factors: Canadian Journal of Forest Research, v. 24, p. 934-944.

218. Madole, R.F., 1995, Fire frequency during the Holocene in a small, forested drainage basin in the Southern Rocky Mountains: Abstracts With Programs - Geological Society of America, v. 27, no. 6, p. 171.

219. Madole, R.F., and Michael, J.A., 1994, Impact of Holocene climatic change on channel morphology and sediment in a small glaciated drainage basin in the southern Rocky Mountains: Abstracts With Programs - Geological Society of America, v. 26, no. 7, p. 302.

220. Major, D.J., and Bury, R.B., In prep, Field studies of fire effects on amphibians and reptiles: A critique: Wildlife Society Bulletin.

221. Manley, J., Keifer, M., Stephenson, N., and Kaage, W., in press, Restoring fire to wilderness: Sequoia and Kings Canyon National Parks: Fire Management Today.

222. Martin, D.A., 2000, Soil infiltration rates in burned mountainous watersheds; AGU Meeting Abstract, December 2000, San Francisco, California: Eos, Transactions of the American Geophysical Union.

223. Martin, D.A., 2000, Studies of post-fire erosion in the Colorado Front Range benefit the Upper South Platte Watershed Protection and Restoration Project: Watershed Management Council Networker, v. Winter, p. 5-8.

224. Martin, D.A., and Moody, J.A., Effects of Wildfire on Water Supplies: A Case Study from Denver, Colorado, *in* Watershed Management 2000, Science and Engineering Technology for the New Millennium, American Society of Civil Engineers Conference, Fort Collins, Colorado.

225. Martin, D.A., and Moody, J.A., in press, The flux and particle size distribution of sediment collected in hillslope traps after a Colorado wildfire, *in* Proceedings of the Seventh Federal Interagency Sedimentation Conference, Reno, Nevada.

226. Martin, D.A., and Moody, J.A., 1999, Hillslope erosion in steep terrain after a forest fire, *in* 25th Annual Meeting of the Canadian Geophysical Union, Program and Abstracts,

Banff, Alberta, Canada.

227. Martin, D.A., and Moody, J.A., 1998, Hillslope response of a burned watershed; AGU Meeting Abstract, December 1998, San Francisco, California: EOS, Transactions, American Geophysical Union, v. 79, no. 45, p. F303.

228. McDonald, S.F., 1993, Acute toxicity of fire retardant and foam suppressant chemicals to two aquatic invertebrates and a green algae, M. S. thesis, University of South Dakota, Vermillion, South Dakota.

229. McDonald, S.F., Hamilton, S.J., Buhl, K.J., and Heisinger, J.F., 1996, Acute toxicity of fire control chemicals to *Daphnia magna* (Dtraus) and *Selenastrum capricornutum* (Printz): Exotoxicity and Environmental Safety, v. 33, p. 62-72.

230. McDonald, S.F., Hamilton, S.J., Buhl, K.J., and Heisinger, J.F., 1997, Acute toxicity of fire retardant and foam suppressant chemicals to *Hyalella azteca* (Saussure): Environmental Toxicology and Chemistry, v. 16, p. 1370-1376.

231. McKenzie, D., 1998, Fire, vegetation, and scale: toward optimal models for the Pacific Northwest: Northwest Science, v. 72, p. 49-65.

232. McKenzie, D., Peterson, D.L., and Agee, J.K., in press, Fire frequency in the Columbia River Basin: building regional models from fire history data: Ecological Applications.

233. McKenzie, D., Peterson, D.L., and Agee, J.K., in press, Spatial variation in fire frequency in the Columbia River Basin, Proceedings of the Joint Fire Sciences Conference, Boise, ID.

234. McKenzie, D., Peterson, D.L., and Alvarado, E., 1996, Extrapolation problems in modeling fire effects at large spatial scales: a review: International Journal of Wildland Fire, v. 6, no. 4, p. 165-176.

235. McKenzie, D., Peterson, D. L., and Alvarado, E., 1996, Predicting the effect of fire on large-scale vegetation patterns in North America: Pacific Northwest Research Station, Portland, OR, USDA Forest Service, Research Paper PNW-489.

236. Mcpherson, B.F., Hendrix, G.Y., Klein, H., and Tyus, H.M., 1976, The Environment of South Florida, A Summary Report, U.S. Geological Survey Professional Paper, 1011, 82 pages.

237. Menitove, A., Cannon, S.H., and Higgins, J.D., 1999, Wildfires and debris flows in the Santa Monica Mountains, southern California - using GIS to develop a statistical model for debris-flow susceptibility: Geological Society of America, Abstracts With Programs, v. 31, no. 7, p. 440.

238. Miller, P.D., and Cannon, S.H., 1999, Threshold rainfall conditions for flooding and debris flows from recently burned areas in southern California: Geological Society of America, Abstracts With Programs, v. 31, no. 7, p. 312.

239. Montenegro, G., Ginocchio, R., Segura, A., and Keeley, J.E., in press, Fire regimes and vegetation responses in two Mediterranean-climate regions, How landscapes change: Human disturbance and ecosystem disruptions in the Americas: New York, Springer Verlag.

240. Montygierd-Loyba, T.M., and Keeley, J.E., 1987, Demographic structure of *Ceanothus megacarpus* chaparral in the long absence of fire: Ecology, v. 68, p. 211-213.

241. Moody, J.A., in press, Sediment transport regimes after a wildfire in steep mountainous terrain, *in* Proceedings of the Seventh Federal Interagency Sedimentation Conference, Reno, Nevada.

242. Moody, J.A., Kinner, D.A., and Ariowitsch, T.M., 1999, Predictive model of erosion after a forest fire based on a watershed topographic index; GSA Meeting Abstract, October 1999, Denver, Colorado: GSA Abstracts With Programs, v. 31, no. 7, p. A-440.

243. Moody, J.A., and Martin Deborah A., in press, Erosional Response of Two Burned Watersheds; A Summary Report: 15 pages.

244. Moody, J.A., and Martin Deborah A., 2000, Runoff, erosion, and depositional response of a burned mountainous watershed; AGU Meeting Abstract, December 2000, San Francisco, California: EOS, Transactions, American Geophysical Union.

245. Moody, J.A., and Martin Deborah A., 1999, Sediment transport in a steep channel after a forest fire, 25th Annual Meeting of the Canadian Geophysical Union, Program and Abstracts, Banff, Alberta, Canada.

246. Moody, J.A., and Martin, D.A., 1998, Unsteady sediment transport after a forest fire; AGU Meeting Abstract, December 1998, San Francisco, California: EOS, Transactions, American Geophysical Union.

247. Morino, K., Baisan, C.H., and Swetnam, T.W., 1998, Expanded fire regime studies in the Jemez Mountains, New Mexico; Unpublished report on file at the USGS Jemez Mountains Field Station, 94 pages.

248. National Biological Survey, 1994, Fire-fighting chemicals are toxic to rainbow trout: NBS (National Biological Service) Research Information Bulletin, v. 93.

249. National Biological Survey, 1995, Fire retardant and foam suppressant chemicals may be toxic to aquatic invertebrates and algae: NBS (National Biological Service) Research Information Bulletin, v. 35.

250. Ne'eman, G., Fotheringham, C.J., and Keeley, J.E., 1999, Patch to landscape patterns in post-fire recruitment of a serotinous conifer: Plant Ecology, v. 145, p. 235-242.

251. Newman, S., Schutte, J., Grace, J.B., and others, 1998, Factors influencing cattail abundance in the northern Everglades: Aquatic Botany, v. 60, no. 3, p. 265-280.

252. Ohlen, D.O., Despain, D.G., and Burgan, R.E., 2000, National vegetation mapping for fire applications, Proceedings from: The Joint Fire Science Conference and Workshop, "Crossing the Millennium Integrating Spatial Technologies and Ecological Principles for a New Age in Fire Management, Boise, ID, p. 205-211.

253. Parrett, C., 1988, Fire-Related Debris Flows in the Beaver Creek Drainage, Lewis and Clark County, Montana, U.S. Geological Survey Water-Supply Paper, 2330, p. 57-67.

254. Peterson, D.L., and Arbaugh, M.J., 1986, Postfire survival in Douglas-fir and lodgepole pine: Comparing the effects of crown and bole damage: Canadian Journal of Forest Research, v. 16, p. 1175-1179.

255. Peterson, D.L., Estimating postfire timber damage with a simulation model, Proceedings of the Seventh Conference of Fire and Forest Meteorology, Fort Collins, CO, p. 159-162.

256. Peterson, D.L., Evaluating the effects of air pollution and fire on tree growth by tree ring analysis, Donoghue, L.R., and Martin, R.E., editors, Proceedings of the Eighth Conference on Fire and Forest Meteorology, Detroit, MI, p. 124-131.

257. Peterson, D.L., 1983, Predicting fire-caused mortality in four northern Rocky Mountain conifers, Proceedings of the Society of American Foresters National Convention, Portland, OR, p. 276-280.

258. Peterson, D.L., and Arbaugh, M.J., 1989, Estimating postfire survival of Douglas fir in the Cascade Range: Canadian Journal of Forest Research, v. 19, p. 530-533.

259. Peterson, D.L., Arbaugh, M.J., Pollock, G.H., and Robinson, L.J., 1991, Postfire growth of Pseudotsuga menziesil and Pinus contorta in the northern Rocky Mountains, USA: International Journal of Wildland Fire, v. 1, p. 63-71.

260. Peterson, D. L., and Flowers, P. J., Estimating postfire changes in production and value of northern Rocky Mountain-Intermountain rangelands: Pacific Southwest Forest and Range Experilment Station, Berkeley, CA, USDA Forest Service, Research Paper PSW-173.

261. Peterson, D.L., Prichard, S.J., and McKenzie, D., in press, Forest disturbance, Forests in Sustainable Mountain Development: A State-of-Knowledge Report for 2000: Oxford, England, CAB International.

262. Peterson, D.L., and Ryan, K.C., 1986, Modeling postfire conifer mortality for long-range planning: Environmental Management, v. 10, p. 797-808.

263. Peterson, D.L., Sackett, S.S., Robinson, L.J., and Haase, S.K., 1994, The effects of repeated prescribed burning on Pinus ponderosa growth: International Journal of Wildland Fire, v. 4, p. 239-247.

264. Pine, E.J., and Moody, J.A., 1999, Characteristics and evolution of rills on steep terrain after a forest fire; GSA Meeting Abstract, October 1999, Denver, Colorado: GSA

Abstracts With Programs, v. 31, no. 7, p. A-441.

265. Potts, D. F., Peterson, D. L., and Zuuring, H. R., 1989, Estimating postfire water production in the Pacific Northwest: Pacific Southwest Research Station, Berkeley, CA, USDA Forest Service, Research Paper PSW-197.

266. Rahn, P.H., Davis, A.D., and Propson, T.P., 1990, Black Hills Water Resource Model, South Dakota Water Resources Institute, Brookings, Final Technical Report.

267. Ramsey, E.W., III, Laine, S.C., Nelson, G.A., and others, Identifying wetland zonation and inundation extent by using satellite remote sensing and ground-based measurements, *in* Guntenspergen, G.R., and Vairin, B.A., editors, Vulnerability of Coastal Wetlands in the Southeastern United States: Climate Change Research Results, 1992-1997: U.S. Geological Survey, Biological Science Report, USGS/BRD/BSR--1998-0002, p. 81-101.

268. Ramsey, E.W., III, Spell, R.E., and Day, R.H., 1995, GIS and remote sensing as wetland resource management tools: The fire monitoring example, *in* Ehlers, M., Steiner, D.R., and Johnston, J.B., editors, Proceedings of an International Workshop on Requirements for Integrated Geographic Information Systems, New Orleans, Louisiana, p. 133-145.

269. Ramsey, E.W., III, Spell, R.E., and Day, R.H., 1993, Measuring and monitoring the wetland response to acute stress by using remote sensing techniques, *in* Proceedings of the Twenty-Fifth International Symposium on Remote Sensing and Global Environmental Change: Tools for Sustainable Development, Graz, Austria, p. 43-55.

270. Reheis, M.C., ., and Slate, J.L., 1994, Quaternary sedimentation in Fish Lake Valley, Nevada and California; Climatic control, tectonic overprint: Abstracts With Programs - Geological Society of America, v. 26, no. 7, p. 239.

271. Reinecke, K.J., and Krapu, G.L., 1986, Feeding ecology of sandhill cranes during spring migration in Nebraska: Journal of Wildlife Management, v. 50, no. 1, p. 71-79.

272. Reneau, S.L., Cannon, S.H., and Veenhuis, J.E., in press, Rapid stream incision in response to post-fire floods - implications for channel evolution and terrace development: Journal of Geology.

273. Renkin, R.A., and Despain, D.G., 1992, Fuel moisture, forest type, and lightning-caused fires in Yellowstone National Park: Canadian Journal of Forest Research, v. 22, p. 37-45.

274. Renkin, R.A., and Despain, D.G., 1996, Notes on postfire aspen seedling establishment, The ecological implications of fire in Greater Yellowstone, proceedings, second biennial conference on the Greater Yellowstone Ecosystem, Yellowstone National Park, WY, p. 105-106.

275. Renkin, R.A., and Despain, D.G., 1996, Preburn root biomass/basal area influences on the response of aspen to fire and herbivory, The Ecological Implications of Fire in Greater Yellowstone; Proceedings, Second Biennial Conference on the Greater Yellowstone Ecosystem, Yellowstone National Park, Wyoming, p. 95-103.

276. Renkin, R. A., Despain, D. G., and Clark, D., 1994, Aspen seedlings following the 1988 Yellowstone fires: Denver, CO, Natural Resources Publication Office, National Park Service/NRYELL/NRTR Technical Report, Mammoth Hot Springs, Yellowstone National Park, Wyoming, p. 335-337.

277. Rignot, E., Despain, D., and Holecz, F., 1996, The Yellowstone fires as observed by SIR-C SAR (Web Page), *Available at* JPL Technical Reports. http://www.jpl.nasa.gov/techreport/1996/96-0405.rfr.html.

278. Rignot, E., Holecz, F., and Despain, D.G., 2000, Application of imaging radar following the 1988 Yellowstone fires, Proceedings from: The Joint Fire Science Conference and Workshop, "Crossing the Millennium: Integrating Spatial Technologies and Ecological Principles for a New Age in Fire Management", Boise, ID, p. 46-55.

279. Ritter, J.R., and Brown, W.M., III, 1972, Sedimentation of Williams Reservoir, Santa Clara County, California, U.S. Geological Survey Open-File Report, 26 pages.

280. Romme, W.H., and Despain, D.G., 1989, Historical perspective on the Yellowstone fires of 1988: BioScience, v. 39, p. 695-699.

281. Romme, W.H., and Despain, D.G., 1988, Let it burn? Restoring fire in large wilderness preserves in the Rocky Mountains: Bulletin of the Ecological Society of America, v. 69, no. 2, p. 279.

282. Romme, W.H., and Despain, D.G., 1989, The long history of fire in the Greater Yellowstone Ecosystem: Western Wildlands, v. 15, p. 10-17.

283. Romme, W.H., and Despain, D.G., 1989, The Yellowstone Fires: Scientific American, v. 261, p. 37-46.

284. Ryan, K.C., Peterson, D.L., and Reinhardt, E.D., 1988, Modeling long-term fire-caused mortality in Douglas-fir: Forest Science, v. 34, p. 190-199.

285. Schmoldt, D.L., and Peterson, D.L., 1997, Using the AHP in a workshop setting to elicit and prioritize fire research needs, Proceedings of the ASPRS/ACSM/RT97 Conference.

286. Schmoldt, D. L., Peterson, D. L., Keane, R. E., Lenihan, J. M., McKenzie, D., Weiss, D. R., and Sandberg, D. V., 1999, Assessing the effects of fire disturbance on ecosystems: a scientific agenda for research and management: Pacific Northwest Research Station, Portland OR, USDA Forest Service, Paper PNW-GTR-455.

287. Schullery, P., and Despain, D.G., 1989, Prescribed buring in Yellowstone National Park: a doubtful proposition: Western Wildlands, v. 15, p. 30-34.

288. Schwilk, D.W., and Keeley, J.E., 1998, Post fire small mammal populations following a large wildfire: Southwestern Naturalist, v. 43, p. 480-483.

289. Schwilk, D.W., Keeley, J.E., and Bond, W., 1997, The intermediate disturbance

hypothesis does not explain fire and diversity pattern in fynbos: Plant Ecology (Formerly Vegetatio), v. 132, p. 77-84.

290. Scott, K.M., 1971, Origin and Sedimentology of 1969 Debris Flows Near Glendora, California, U.S. Geological Survey Professional Paper, 750-C, p. C242-C247.

291. Sellers, R.E., and Despain, D.G., 1976, Fire management in Yellowstone National Park, Tall Timber Fire Ecology Conference and Intermountain Fire Research Council Fire and Land Management Symposium. Missoula, MT. Tallahassee, FL, p. 99-113.

292. Sharitz, R.R., and Gibbons, J.W., 1982, The Ecology of Southeastern Shrub Bogs (Pocosins) and Carolina Bays: A Community Profile: Washington, D. C., U.S. Fish and Wildlife Service.

293. Shasby, M.B., and Burgan, R.R., 1983, Mapping Forest Fuels and Predicting Wildland Fire Behavior, U. S. Geological Survey Professional Paper, 257 pages.

294. Shinn, E.A., Robbin, D.M., and Lidz, B.H., 1984, Fire and limestone; Origin of black pebbles: AAPG Bulletin, v. 68, no. 4, p. 527.

295. Siders, M.A., Runnells, D.D., and Norton, D.R., 1992, Impact of the 1988 Forest Fires on the Chemistry of Non-Thermal Ground Water in Yellowstone National Park, USA, *in* Proceedings, International Symposium on Water-Rock Interaction: p. 433-436.

296. Snyder, J.R., 1991, Fire regimes in subtropical south Florida: Proceedings Tall Timbers Fire Ecology Conference, v. 17, p. 303-319.

297. Snyder, J.R., 1986, The Impact of Wet Season and Dry Season Prescribed Fires on Miami Rock Ridge Pineland, Everglades National Park, Homestead, Florida, South Florida Research Center, Everglades National Park, 106 pages.

298. Snyder, J.R., 1984, The role of fire: Much ado about nothing?: Oikos, v. 43, p. 404-405.

299. Snyder, J.R., 1999, Seasonal Variation in Resprouting Ability of Native and Exotic Hardwoods in South Florida, *in* Jones, D., and Gamble, B., editors, Florida's Garden of Good and Evil: Proceedings of the 1998 Joint Symposium of the Florida Exotic Pest Plant Council and the Florida Native Plant Society: West Palm Beach, Florida, South Florida Water Management District, p. 257-269.

300. Snyder, J.R., Herndon, A., and Robertson, W.B., Jr., 1990, South Florida Rockland, *in* Myers, R., and Ewel, J., editors, Ecosystems of Florida: Orlando, Florida, University of Central Florida Press, p. 230-277.

301. Snyderman, D., and Allen, C.D., 1997, Fire in the Mountains: Analysis of Historical Fires for Bandelier National Monument, Sante Fe National Forest, and Surrounding Areas, 1909-1996; unpublished report on file at USGS Jemez Mountains Field Station, 27 pages + 18 figures.

302. Spier, L.P., and Snyder, J.R., 1998, Effects of wet- and dry-season fires on *Jacquemontia curtisii*, a south Florida pine forest endemic: Natural Areas Journal, v. 18, p. 350-357.

303. Steele, N.L.C., and Keeley, J.E., 1991, Chaparral and fire ecology: role of fire in seed germination: American Biology Teacher, v. 53, p. 432-435.

304. Stephenson, N.L., 1996, Ecology and management of giant sequoia groves, Sierra Nevada Ecosystem Project: Final Report to Congress, vol. II, Assessments and scientific basis for management options: University of California, Davis, Centers for Water and Wildland Resources, p. 1431-1467.

305. Stephenson, N.L., 1994, Long-term dynamics of giant sequoia populations: implications for managing a pioneer species, Aune, P.S., Technical coordinator, Proceedings of the Symposium on Giant Sequoias: Their place in the ecosystem and society, General Technial Report PSW-151, p. 56-63.

306. Stephenson, N.L., 1999, Reference conditions for giant sequoia forest restoration: structure, process, and precision: Ecological Applications, v. 9, p. 1253-1265.

307. Stephenson, N.L., Parsons, D.J., and Nichols, H.T., 1990, Replies from the fire gods: American Forests, v. 96, no. 3 & 4, p. 35, 70.

308. Stephenson, N.L., Parsons, D.J., and Swetnam, T.W., 1991, Restoring natural fire to the sequoia-mixed conifer forest: should intense fire play a role?: Proceedings of the Tall Timbers Fire Ecology Conference, v. 17, p. 321-337.

309. Stohlgren, T.J., Binkley, D., Chong, G.W., Kalkhan, M.A., Schell, L.D., Bull, K.A., Otsuki, Y., Newman, G., Bashkin, M., and Son, Y., 1999, Exotic plant species invade hot spots of native plant diversity: Ecological Monographs, v. 69, p. 25-46.

310. Stohlgren, T.J., Bull, K.A., and Otsuki, Y., 1998, Comparison of rangeland sampling techniques in the Central Grasslands: Journal of Range Management, v. 51, p. 164-172.

311. Stohlgren, T.J., Chong, G.W., and et al., in review, Assessing vulnerability to invasion by exotic plant species at multiple spatial scales: Biological Invasions.

312. Stohlgren, T.J., Chong, G.W., Kalkhan, M.A., and Schell, L.D., 1997, Multi-scale sampling of plant diversity: Effects of the minimum mapping unit: Ecological Applications, v. 7, p. 1064-1074.

313. Stohlgren, T.J., Chong, G.W., Kalkhan, M.A., and Schell, L.D., 1997, Rapid assessment of plant diversity patterns: A methodology for landscapes: Environmental Monitoring and Assessment, v. 48, p. 25-43.

314. Stohlgren, T.J., Coughenour, M.B., Chong, G.W., Binkley, D., Kalkhan, M., Schell, L.D., Buckley, D., and Berry, J., 1997, Landscape analysis of plant diversity: Landscape Ecology, v. 12, p. 155-170.

315. Stout, J.P., 1984, The Ecology of Irregularly Flooded Salt Marshes of the Northeastern Gulf of Mexico: A Community Profile: Washington, D. C., U.S. Fish and Wildlife Service.

316. Swantek, P.J., Halvorson, W.L., and Schwalbe, C.R., 1999, GIS database development to analyze fire history in southern Arizona and beyond. An example from Saguaro National Park, Tucson, AZ, USGS Cooperative Park Studies Unit, University of Arizona, Technical Report, Number 61, 43 pages.

317. Swetnam, T.W., Allen, C.D., and Betancourt, J.L., 1999, Applied historical ecology: Using the past to manage the future: Ecological Applications, v. 9, p. 1189-1206.

318. Swetnam, T.W., and Betancourt, J.L., 1990, Fire-Southern Oscillation relations in the southwestern United States: Science, v. 249, no. 4972, p. 1017-1020.

319. Swetnam, T.W., and Betancourt, J.L., 1992, Temporal patterns of El Nino/Southern Oscillation; Wildfire teleconnections in the southwestern United States, *in* Diaz, H.f., and Markgraf, V., editors, El Nino--Historical and Paleoclimatic Aspects of the Southern Oscillation: Cambridge, United Kingdom, Cambridge University Press, p. 259-270.

320. Taylor, J.G., 1982, Environmental education effects on perception of recreational and scenic qualities of forest burn areas, Tucson, AZ, School of Renewable Natural Resources, College of Agriculture, University of Arizona.

321. Taylor, J.G., 1988, Playing with fire: Effects of fire in management of southwestern recreation resources, Effects of Fire Management of Southwestern Natural Resources: Proceedings of the Conference, General Technical Report RM-191 p. 112-121.

322. Taylor, J.G., Carpenter, E.H., Cortner, H.J., and Cleaves, D.A., Risk perception and behavioral context: U.S. Forest Service management professionals: Society and Natural Resources, v. 1, p. 253-268.

323. Taylor, J.G., Cortner, H.J., Gardner, P.D., Daniel, T.C., and Zwolinski, M.J.C.E.H., 1986, Recreation and fire management: Public concerns, attitudes, and perceptions: Leisure Sciences, v. 8, no. 2, p. 167-187.

324. Taylor, J.G., and Daniel, T.C., 1983, Perceived scenic and recreational quality of forest burn areas, Proceedings - Symposium and Workshop on Wilderness Fire, General Technical Report INT-182 p. 398-406.

325. Taylor, J.G., and Daniel, T.C., 1984, Prescribed Fire: Public education and perception: Journal of Forestry, v. 82, no. 6, p. 361-365.

326. Taylor, J.G., and Mutch, R.W., 1986, Fire in wilderness: Public knowledge, acceptance, and perceptions, Proceedings, National Wilderness Research Conference: Current Research, General Technical Report INT-212, p. 49-59.

327. Taylor, K.L., Grace, J.B., Guntenspergen, G.R., and others, 1994, The interactive effects

of herbivory and fire on an oligohaline marsh, Little Lake, Louisiana, USA: Wetlands, v. 14, no. 2, p. 82-87.

328. Taylor, M.J., Shay, J.M., and Hamlin, S.N., 1993, Changes in Water-Quality Conditions in Lexington Reservoir, Santa Clara County, California, Following a Large Fire in 1985 and Flood in 1986, U.S. Geological Survey Water-Resources Investigations Report, 92-4172, 23 pages.

329. Thomas, C.A., 1963, Cloudburst Floods at Boise, Idaho, August 20, September 22, 26, 1959, U.S. Geological Survey Open File Report, 12 pages.

330. Tinus, R.W., and Roddy, D.J., 1990, Effects of global atmospheric perturbations on forest ecosystems in the Northern Temperate Zone; Predictions of seasonal depressed-temperature kill mechanisms, biomass production, and wildfire soot emissions: Special Paper - Geological Society of America, v. 247, p. 77-86.

331. Touchan, R., Allen, C.D., and Swetnam, T.W., 1996, Fire history and climatic patterns in ponderosa pine and mixed-conifer forests of the Jemez Mountains, northern New Mexico, *in* Allen, C.D., technical editor, Fire Effects in Southwestern Forests: Proceedings of the Second La Mesa Fire Symposium, Los Alamos, New Mexico, U.S. Department of Agriculture Forest Service General Technical Report RM-GTR-286, p. 33-46.

332. Turner, R.M., 1974, Quantitative and Historical Evidence of Vegetation Changes Along the Upper Gila River, Arizona, U.S. Geological Survey Professional Paper, 655-H, 20 pages.

333. U.S. Geological Survey, 1995, Fact Sheet.

334. U.S. Geological Survey, 1999, Fact Sheet.

335. Vecchioli, J., and Kantrowitz, I.H., 1995, Ecosystem Studies by the U. S. Geological Survey in South Florida: Abstracts With Programs - Geological Society of America, v. 27, no. 6, p. 296.

336. Vince, S.W., Humphrey, S.R., and Simons, R.W., 1989, The Ecology of Hydric Hammocks: A Community Profile: Washington, D. C., U.S. Fish and Wildlife Service.

337. Vyas, N.B., and Hill, E.F., 1996, Toxicity of fire retardant chemicals and fire suppressant foams to vertebrate and invertebrate wildlife species, Ramsey, G.S., editor, Proceedings of the International Wildland Fire Foam Symposium and Workshop, Thunder Bay, Ontario, Information Report PI-X-123, p. 128-131.

338. Wade, D.D., Brock, B., Brose, P., Grace, J.B., Hoch, G., and Patterson, W., in press, Fire in Eastern Ecosystems, *in* Effects of Wildland Fire on Ecosystems: Vegetation and Fuels: U.S. Department of Agriculture Forest Service, Chapter IV.

339. Webb, R.H., and Hasbargen, J., 1997, Floods, groundwater levels, and arroyo formation

on the Escalante River, south-central Utah: Abstracts With Programs - Geological Society of America, v. 29, no. 6, p. 371.

340. West, D.C., Doyle, T.W., Tharp, M.L., Beauchamp, J.J., Platt, W.J., and Downing, D.J., 1993, Recent growth increases in old-growth longleaf pine: Canadian Journal of Forest Research, v. 23, p. 846-853.

341. White, A.F., Presser, T.S., Lamothe, P.J., and Alexander, P.J., 1992, Impact of the 1991 Oakland Hills California fire storm on the chemistry and hydrology of an urban watershed: EOS, Transactions, American Geophysical Union, v. 73, no. 43, Suppl., p. 179.

342. Willson, G.D., 1995, Morphological characteristics of smooth brome used to determine a prescribed burn date, Smith, D.D., and Jacobs, C.A., editors, Proceedings of the Twelfth North American Prairie Conference, Cedar Falls, Iowa, p. 113-116.

343. Willson, G.D., and Stubbendieck, J., 1999, The effect of big bluestem on post-fire smooth brome control, Proceedings of the VI International Rangeland Congress, p. 281-282.

344. Willson, G.D., and Stubbendieck, J., 1997, Fire effects on four growth stages of smooth brome (Bromus inermis Leyss.): Natural Areas Journal, v. 27, no. 4, p. 306-312.

345. Willson, G.D., and Stubbendieck, J., 2000, A provisional burn-based model for smooth brome management in degraded tallgrass prairie: Ecological Restoration, v. 18, no. 1, p. 34-37.

346. Willson, G.D., and Stubbendieck, J., 1995, Soil moisture and temperature differences between burned and unburned smooth brome- and big bluestem-dominated sites, Hartnett, D.C., editor, Proceedings of the North American Prairie Conference, Manhattan, Kansas, p. 79-82.

347. Willson, G.D., and Stubbendieck, J., 1996, Suppression of smooth brome by atrazine, mowing, and fire: Prairie Naturalist, v. 28, p. 13-20.

348. Wittenberg, U., Heimann, M., Esser, G., McGuire, A.D., and Sauf, W., 1998, On the influence of biomass burning on the seasonal CO_2 signal as observed at monitoring stations: Global Biogeochemical Cycles, v. 12, p. 531-544.

349. Woods, P.F., 1997, Eutrophication Potential of Payette Lake, Idaho: U.S. Geological Survey Water-Resources Investigations Report, 97-4145, 39 pages.

350. Wynn, J.C., and Shoemaker, E.M., 1998, The day the sands caught fire: Scientific American, v. 279, no. 5, p. 64-71.

351. Zelt, R.B., in press, Channel Characteristics and Large Organic Debris in Adjacent Burned and Unburned Watersheds a Decade After Wildfire, *in* Proceedings of the Seventh Federal Interagency Sedimentation Conference, Reno, Nevada.